

Engine Cooling Systems

JEEP

COOLING SYSTEM CAPACITY

Application	① Quarts
All Models	
232" & 258" Engines.....	9.5
304" Engine.....	12
360" & 401" Engines.....	13
① — If equipped with heater, add one quart to capacity shown.	

PRESSURE CAP

Application	PSI
All Models	15

THERMOSTAT

Application	① Initial Open	① Full Open
6 Cylinder Engines	192-198.....	218
V8 Engines.....	192-198.....	218
① — Specifications are in °F.		

WATER PUMP

ALL 6 CYLINDER MODELS

Removal — 1) Drain cooling system and disconnect all hoses at water pump. Loosen alternator adjustment bolt and remove drive belt. Separate fan shroud (if equipped) from radiator and position rearward on engine.

2) Remove fan and hub assembly from water pump. If equipped with air conditioning, remove idler pulley and mounting bracket from water pump. Remove power steering pump front mounting bracket if equipped. Remove water pump attaching bolts and water pump assembly.

Installation — Clean gasket surfaces, install new hoses (as required) and gaskets. Reverse removal procedure, tighten bolts, adjust drive belt tension and refill cooling system.

ALL V8 MODELS

Removal — 1) Drain cooling system and disconnect negative battery cable. Disconnect upper radiator hose at radiator. Loosen all drive belts. Separate fan shroud (if equipped) from radiator and position rearward on engine.

2) If equipped with a fluid drive fan, remove fan assembly (do not unbolt fan blades) and shroud at the same time. There is sufficient room to move fan assembly toward radiator and clear water pump. On all other models, remove fan and hub assembly. **NOTE** — Studs in water pump may back out when nuts are removed, preventing fan assembly from clearing water pump. If this condition occurs, install a double nut on stud(s) and remove stud(s).

3) If equipped with air conditioning, install a double nut on compressor bracket-to-water pump stud and remove stud.

NOTE — Removing this stud eliminates removing mounting bracket. Remove alternator and mount bracket assembly (position to one side with wires attached). If equipped with power steering, remove nuts attaching pump to rear half of mounting bracket. Remove bolts attaching front half of bracket to rear half.

4) Remove remaining upper bolt from inner air pump support brace, loosen lower bolt and drop brace away from power steering front bracket. Remove front half of power steering bracket from water pump mounting stud. Disconnect heater hose, by-pass hose and lower hose at water pump. Remove water pump attaching bolts and water pump assembly.

Installation — Clean all gasket surfaces, install new hoses (as required) and gaskets. Reverse removal procedure, tighten nuts and bolts, adjust drive belt tension and refill cooling system.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Water Pump-to-Block	
232" & 258" Engines.....	9-18
All V8 Engines.....	18-33
Water Pump-to-Timing Cover	
304", 360" & 401" Engines	40-55 INCH Lbs.
Fan Blade-to-Hub	
All Models	12-25